

IN THE CLAIMS

1. (currently amended) An apparatus comprising:

a headset comprising a microphone and a headphone;

a music generation device;

a processing unit contained in a single housing, said processing unit electrically coupled with said ~~microphone~~ headset and said music generation device for receiving a first input signal from said microphone and a second input signal from said music generation device, said processing unit configured to amplify and add an intended effect to at least one of the first and second input signals to generate an output signal, wherein the output signal is transmitted to said headphone to enable a user to hear the output; and

~~a headphone for receiving said output signal from said processing unit to enable a user to hear said output; and~~

a user input interface coupled to said housing of said processing unit, said user interface configured to control the output signal of said processing unit by altering the amplification of at least one of the first and second input signals.

2. (previously presented) The apparatus according to Claim 1, wherein said apparatus is sized to be portable such that a single user can transport said apparatus while utilizing said apparatus.

3. (original) The apparatus according to Claim 1, wherein said processing unit comprises a wireless transmitter for transmitting said first input signal to a remote receiver.

4. (original) The portable apparatus according to Claim 1, wherein said processing unit further comprises at least one of a microphone pre-amplifier, an analog-to-digital converter, a multi-effects processor, a digital-to-analog converter, a mix device, and a headphone amplifier.

5. (currently amended) The portable apparatus according to Claim 1, wherein said user interface enables a user to effect at least one of the first and second input signals microphone and said headphone are coupled to one another such that a relative position of said microphone is configured to be fixed with respect to said headphones.

6. (original) The portable apparatus according to Claim 1 wherein said music generation device is at least one of an analog player, a digital player, and a musical instrument.

7. (original) A portable apparatus according to Claim 1 further comprising a second microphone electrically coupled to said processing unit, said secondary microphone configured to communicate a third input signal to said processing unit.

8. (currently amended) A method for mixing and controlling sound, said method comprising:

transmitting a first input signal from a microphone headset to a processing unit;

communicating a second input signal from a portable music generating device to the processing unit;

processing at the processing unit the at least one of the first and second input signals for generating an output signal; and

controlling the output signal of said processing unit by altering the amplification of at least one of the first and second input signals; and

transmitting the output signal to the headset.

9. (currently amended) The method according to Claim 8 wherein transmitting a first input signal further comprises transmitting a first input signal from the microphone headset to a portable processing unit contained in a single housing such that a single user can transport the processing unit while utilizing the processing unit.

10. (original) The method according to Claim 8 further comprising transmitting wirelessly the first input signal to a remote receiver.

11. (original) The method according to Claim 8 further comprising recording the output signal with a portable recording device.

12. (original) The method according to Claim 8 wherein providing a second input signal from a portable music generating device further comprises providing a second input signal from at least one of an analog player, a digital player, and a musical instrument.

13. (original) The method according to Claim 8 further comprising:

receiving a third input signal from a remote audio source, the third input signal received by an input signal receiver, the input signal receiver in communication with the processing unit; and

generating an output signal by digitally altering at least one of first, second, and third input signals with the processing unit.

14. (currently amended) A sound system comprising:

a sound board for receiving, processing, and transmitting sound; and

a portable studio system configured to communicate with said sound board, said portable studio system comprising:

a headset comprising a headphone and a microphone configured to transmit a first input signal from a user's voice;

a music generation device configured to communicate a second input signal;

a processing unit contained in a single housing, said processing unit electrically coupled with said ~~microphone~~ headset and said music generation device for receiving said first and second input signals, said processing unit configured to amplify and add an intended effect to at least one of the first and second input signals to generate an output signal, wherein the output signal is transmitted to said headphone; and

~~a headphone configured to enable the user to receive said output signal; and~~

a user input interface coupled to said housing of said processing unit, said user interface configured to control the output signal of said processing unit by altering the amplification of at least one of the first and second input signals.

15. (original) The sound system according to Claim 14, wherein said processing unit further comprises at least one of a microphone pre-amplifier, an analog to digital converter, a multi-effects processor, a digital to analog converter, a mix device, and a headphone amplifier.

16. (original) The sound system according to Claim 15, wherein said processing unit further comprises a wireless transmitter electrically coupled to said microphone pre-amplifier, said wireless transmitter configured to transmit said first input signal to said sound board.

17. (original) The sound system according to Claim 16, wherein said processing unit further comprises a receiver electrically coupled to said mix device, said receiver configured to receive a processed signal from said sound board such that said received processed signal may be controlled by said processing unit before said processing unit communicates said signal to said headphone.

18. (currently amended) The sound system according to Claim 14, wherein ~~said user interface enables a user to effect at least one of the first and second input signals~~ microphone and said headphone are coupled to one another such that a relative position of said microphone is configured to be fixed with respect to said headphones.

19. (original) The sound system according to Claim 14 wherein said music generation device is at least one of an analog player, a digital player, and a musical instrument.

20. (original) The sound system according to Claim 14 further comprising a recording device in communication with said processing unit for recording at least one of said first and second input signals.

21. (original) The sound system according to Claim 14 wherein said sound board further comprises an input signal receiver for receiving a third input signal from a remote audio source, said processing unit configured to amplify and add an intended effect to at least one of said first,

second, and third input signals to generate an output signal based on at least one of said first, second, and third input signals.

22. (original) The sound system according to Claim 21 wherein said third input signal includes at least one of a voice input signal different from said first input signal, a musical instrument, and a sound effect.